Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/01/2020 11:14 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124315	-1	4.27	124432	4.27
Blue	F	SSC	125000	123684	-2	2.00	124448	2.04
Blue	E	FITC	15892	15384	-4	2.96	335	21.89
Blue	D	PE	29999	29046	-4	2.11	633	16.25
Blue	B	PerCP-Cy5-5	43732	43012	-2	3.89	1160	21.72
Blue	A	PE-Cy7	30845	30485	-2	6.56	581	45.20
Red	C	APC	46112	45070	-3	2.49	1593	12.46
Red	A	APC-Cy7	30458	29640	-3	2.41	783	12.34
Violet	B	V450	7918	7586	-5	4.05	433	13.29
Violet	A	V500	32171	31532	-2	3.83	739	9.99

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17165	22.14	655	34	N/A	N/A	Pass
Blue	F	SSC	56812	1.45	586	27	N/A	N/A	Pass
Blue	E	FITC	60	65.51	555	12	0.0156	53	Pass
Blue	D	PE	131	54.20	561	13	0.1263	243	Pass
Blue	B	PerCP-Cy5-5	211	52.74	669	13	0.0078	34	Pass
Blue	A	PE-Cy7	104	112.20	715	17	0.0088	11	Pass
Red	C	APC	380	25.40	590	6	0.0225	84	Pass
Red	A	APC-Cy7	174	29.25	561	5	0.0052	860	Pass
Violet	B	V450	65	58.41	463	5	0.0426	1557	Pass
Violet	A	V500	110	30.72	479	5	0.0246	497	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.13	-32.10	1.00
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.42
Red	15.48	13.60 - 20.40	N/A	N/A	28.84	29.91	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10148

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments